extension will bring the due date to April 1, 1994, which is within the six-month statutory period. Should such request or fee be deficient or absent, consider this paragraph such a request and authorization to withdraw the appropriate fee under 37 C.F.R. §§ 1.16 to 1.18 from Arnold, White & Durkee Deposit Account No. 01-2508/CADL:002/PAR.

<u>AMENDMENTS</u>

<u>In the Claims</u>:

Please cancel claim 18, and amend claims 19 and 47 as follows:

19. (amended) A method for inducing or enhancing in a subject the production of antibodies reactive with tumor cells in the subject comprising administering an effective amount of the [vaccine] antiqen composition of claim [18] 47.

[a purified polypeptide subunit of] Urinary Tumor Associated Antigen [having] (UTAA) having an isoelectric point of about 6.1 and an apparent molecular weight of approximately 590-620 kD under non-reducing conditions; and after reduction by β -mercaptoethanol and separation by SDS-polyacrylamide gel electrophoresis, the UTAA exhibits a polypeptide subunit having a molecular weight of about 90 to 100 kD, [and a pharmaceutically

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acceptable carrier] the UTAA being at least 0.6% of the total protein content of the composition.

Please add the following new claims, claims 48-60:

- -- 48. The antigen composition of claim 47, wherein the UTAA comprises about 0.6% of the total protein content of the composition.
- 49. The antigen composition of claim 47, wherein the UTAA is purified such that upon SDS-PAGE and silver staining, the composition is shown to consist essentially of four bands having an approximate apparent molecular weight of 138, 90, 50 and 25 kD.
- 50. The antigen composition of claim 47, wherein the UTAA is purified such that upon SDS-PAGE and staining, the composition is shown to consist essentially of three bands having an approximate molecular weight of 150, 90 and 45 kD.
- 51. The antigen composition of any one of claims 47 through 50, further defined as including a pharmaceutically acceptable carrier.
- 52. An antigen composition comprising Urinary Tumor Associated Antigen (UTAA) shown to have, after reduction by β -

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mercaptoethanol and separation by SDS-polyacrylamide gel electrophoresis, a polypeptide subunit exhibiting a molecular weight of about 90 to 100 kD, the antigen composition further including at least two antigens selected from the group consisting of GM-2, GD-2, Fetal Antigen, and Melanoma-Tumor Associated Antigen (MTAA), said composition further defined as being pharmaceutically acceptable.

- 53. The antigen composition of claim 52, further defined as including at least three antigens selected from the group consisting of GM-2, GD-2, Fetal Antigen, and MTAA.
- 54. The antigen composition of claim 53, further defined as including each of GM-2, GD-2, Fetal Antigen, and MTAA.
- 55. The antigen composition of claim 54, wherein the composition is further defined as including a mixture of tumor cells and wherein at least a portion of the UTAA, GM-2, GD-2, Fetal Antigen and MTAA are contributed by the tumor cells, wherein said antigens are present in amounts effective to promote a cytotoxic or cytostatic effect upon administration of the composition to a cancer patient.
- 56. The antigen composition of claim 55, wherein the tumor cells include live, irradiated tumor cells.